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# TestAmerica

MAR 23 2018

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.  
TestAmerica Phoenix  
4625 East Cotton Ctr Blvd  
Suite 189  
Phoenix, AZ 85040  
Tel: (602)437-3340

TestAmerica Job ID: 550-99642-1  
Client Project/Site: First Mesa Consolidated Villages (49733)

For:  
Mohave Environmental Laboratory  
2580 Landon Dr  
Suite A  
Bullhead City, Arizona 86429

Attn: Sheila Poff



Authorized for release by:  
3/22/2018 4:50:09 PM

Mary Hamilton, Project Manager I  
(602)437-3340  
mary.hamilton@testamericainc.com

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?

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The  
Expert**

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[www.testamericainc.com](http://www.testamericainc.com)

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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## Definitions/Glossary

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

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## Case Narrative

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Job ID: 550-99642-1

Laboratory: TestAmerica Phoenix

### Narrative

Job Narrative  
550-99642-1

### Comments

No additional comments.

### Receipt

The sample was received on 3/16/2018 9:45 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.6° C.

### Metals

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

## Sample Summary

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
550-99642-1	EP002 East Well/Well #8 (49733-01)	Drinking Water	03/13/18 08:08	03/16/18 09:45



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## Detection Summary

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Client Sample ID: EP002 East Well/Well #8 (49733-01)

Lab Sample ID: 550-99642-1

Analyte	Result	Qualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.018		0.0010	mg/L	1		200.8	Total/NA

This Detection Summary does not include radiochemical test results.

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## Client Sample Results

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Client Sample ID: EP002 East Well/Well #8 (49733-01)

Lab Sample ID: 550-99642-1

Date Collected: 03/13/18 08:08

Matrix: Drinking Water

Date Received: 03/16/18 09:45

### Method: 200.8 - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018		0.0010	mg/L		03/21/18 12:07	03/22/18 13:31	1

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# QC Sample Results

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

## Method: 200.8 - Metals (ICP/MS)

Lab Sample ID: MB 550-142396/1-A  
Matrix: Water  
Analysis Batch: 142560

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 142396

Analyte	MB Result	MB Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.0010		0.0010	mg/L		03/21/18 12:07	03/22/18 13:15	1

Lab Sample ID: LCS 550-142396/3-A  
Matrix: Water  
Analysis Batch: 142560

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 142396

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.100	0.0948		mg/L		95	85 - 115

Lab Sample ID: LCSD 550-142396/4-A  
Matrix: Water  
Analysis Batch: 142560

Client Sample ID: Lab Control Sample Dup  
Prep Type: Total/NA  
Prep Batch: 142396

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	0.100	0.0929		mg/L		93	85 - 115	2	20

Lab Sample ID: 550-99660-A-1-B MS  
Matrix: Water  
Analysis Batch: 142560

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 142396

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Arsenic	0.0031		0.100	0.0954		mg/L		92	70 - 130

Lab Sample ID: 550-99660-A-1-C MSD  
Matrix: Water  
Analysis Batch: 142560

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 142396

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Arsenic	0.0031		0.100	0.0938		mg/L		91	70 - 130	2	20

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## QC Association Summary

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

### Metals

#### Prep Batch: 142396

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-99642-1	EP002 East Well/Well #8 (49733-01)	Total/NA	Drinking Water	200.8	
MB 550-142396/1-A	Method Blank	Total/NA	Water	200.8	
LCS 550-142396/3-A	Lab Control Sample	Total/NA	Water	200.8	
LCSD 550-142396/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	
550-99660-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	
550-99660-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	

#### Analysis Batch: 142560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
550-99642-1	EP002 East Well/Well #8 (49733-01)	Total/NA	Drinking Water	200.8	142396
MB 550-142396/1-A	Method Blank	Total/NA	Water	200.8	142396
LCS 550-142396/3-A	Lab Control Sample	Total/NA	Water	200.8	142396
LCSD 550-142396/4-A	Lab Control Sample Dup	Total/NA	Water	200.8	142396
550-99660-A-1-B MS	Matrix Spike	Total/NA	Water	200.8	142396
550-99660-A-1-C MSD	Matrix Spike Duplicate	Total/NA	Water	200.8	142396

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## Lab Chronicle

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Client Sample ID: EP002 East Well/Well #8 (49733-01)

Lab Sample ID: 550-99642-1

Date Collected: 03/13/18 08:08

Matrix: Drinking Water

Date Received: 03/16/18 09:45

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	200.8			142396	03/21/18 12:07	SGO	TAL PHX
Total/NA	Analysis	200.8		1	142560	03/22/18 13:31	TEK	TAL PHX

### Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

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## Method Summary

Client: Mohave Environmental Laboratory  
Project/Site: First Mesa Consolidated Villages (49733)

TestAmerica Job ID: 550-99642-1

Method	Method Description	Protocol	Laboratory
200.8	Metals (ICP/MS)	EPA	TAL PHX

### Protocol References:

EPA = US Environmental Protection Agency

### Laboratory References:

TAL PHX = TestAmerica Phoenix, 4625 East Cotton Ctr Blvd, Suite 189, Phoenix, AZ 85040, TEL (602)437-3340

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# TestAmerica


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4991642

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## CHAIN OF CUSTODY FORM

Page 1 of 1

Client Name/Address: <b>Mohave Environmental Laboratory 2580 Landon Dr, Suite A Bullhead City, AZ 86429</b>			Project Number: <b>First Mesa Consolidated Villages</b>		Analysis Required		
Project Manager: <b>Shella Poff</b>			Phone Number: <b>(928) 754-8101</b>		PO#:		
Sampler: A. Sakuma Jr.			Email: <b>shella@mohaveilabs.com</b>		Fax Number: <b>(928) 754-8103</b>		
Sample Description	Sample Matrix	Container Type	# of Cont.	Sampling Date/Time	Preservation	As	
EP002 East Well/Well #8	dw	P	1	3/13/18 8:08 AM	HN03	X	
No DWAR needed							
Special Instructions 49733-01							
<div style="text-align: center;">   550-59642 Chain of Custody </div>							
Relinquished By: <b>MEL via Fed ex-test S Poff</b>		Date/Time: <b>3/14/18 2:30 PM</b>		Received by: <b>[Signature]</b>		Date/Time: <b>03-16-18 09:45</b>	
Relinquished By:		Date/Time:		Received in Lab by:		Date/Time:	
Relinquished By:		Date/Time:		Sample Integrity: (Check) On file		Turnaround Time: (Check) Same Day 72 Hours 24 Hours 5 Days 48 Hours Normal	

Note: By relinquishing samples to Test America, client agrees to pay for the services requested on this chain of custody form and any additional analyses performed on this project. Payment for services is due within 30 days from the date of invoice. Sample(s) will be disposed of after 30 days.

ATH

## Login Sample Receipt Checklist

Client: Mohave Environmental Laboratory

Job Number: 550-99642-1

Login Number: 99642

List Source: TestAmerica Phoenix

List Number: 1

Creator: Vilaboy, Monica

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	Check done at department level as required.